

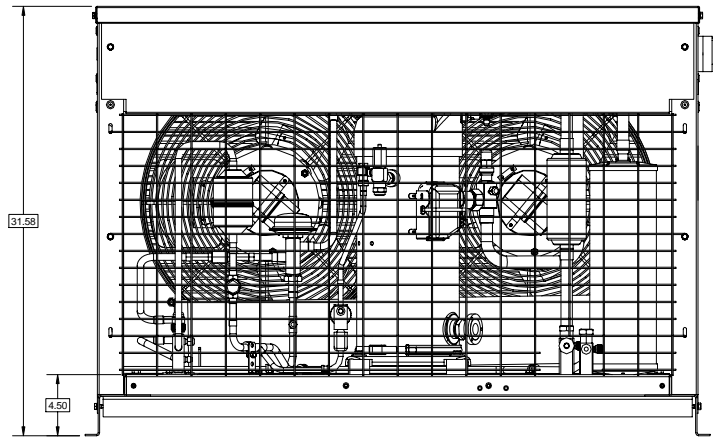
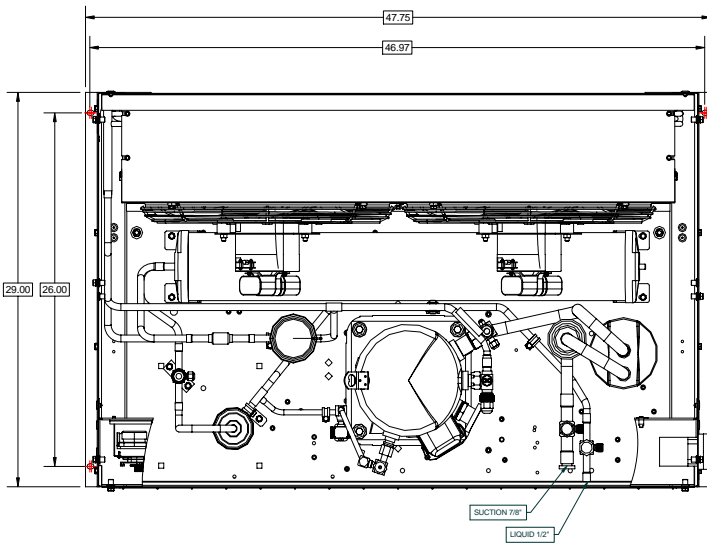
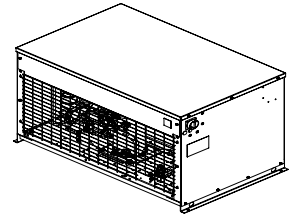


# TECUMSEH HERMETIC CONDENSING UNIT

VSAG517ZXTHM  
TPC preliminary  
October 14, 2011

**Model** VSAG517ZXTHM  
**BOM** 32L4242-2E

**Air Cooled** 4 1/4 HP  
**Application** Low Temp  
**Refrigerant** R404A



VSAG517ZXTHM	Dim. Enclosure(inch)*			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs.
	29.40	47.75	31.58	7/8 Sweat	1/2 Sweat	33.44	4200	24	550

\*) Enclosure Mounting Holes, 26.25 x 58.5

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		85°F				95°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	5.5	7800	3710	217	94	7300	4060	252	105	7200	4240	271	110	6400	4610	312	120
-35	8.0	9100	3760	221	95	8500	4100	256	106	8300	4280	274	111	7300	4640	315	121
-30	10.7	10500	3830	225	97	9700	4170	259	107	9400	4340	278	112	8400	4690	318	122
-25	14.0	12000	3920	229	98	11100	4260	263	108	10700	4430	282	113	9500	4770	321	122
-20	17.1	13500	4030	234	99	12500	4360	268	109	12100	4530	286	114	10800	4860	325	123
-15	19.3	15200	4160	239	101	14000	4480	272	110	13500	4640	290	115	12100	4970	329	124
-10	24.5	16900	4300	244	102	15600	4620	277	111	15100	4770	295	116	13600	5090	333	125
-5	28.8	18700	4450	250	104	17300	4760	283	113	16700	4910	300	117	15100	5220	337	126
0	33.5	20600	4610	256	106	19000	4910	288	114	18400	5060	305	119	16800	5360	342	127
5	36.5	22600	4780	262	107	20900	5070	294	116	20200	5210	311	120	18500	5500	348	128
10	43.7	24600	4940	269	109	22800	5220	301	117	22100	5360	318	122	20300	5650	353	130

Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

**PRELIMINARY PERFORMANCE DATA**

## Parts/Specifications

STANDARD				OPTIONAL	
Unit BOM	32L4242-2E	Fan Motor	810S186B40	Adjustable Fan Ctrl (A)	LAFC-001
Unit MODEL	VSAG517ZXTTHM	Fan Motor Qty	2		
		Fan Motor RLA	1.9	Defrost Timer (Tn)	LTCG-T2
Refrigeration RANGE	-40°F to 10°F	Fan Blade	51528-3		
Design Pressure Low	181	Fan Guard	70832		
Design Pressure High	450	Shroud	70611-1	Receiver Heater (R)	LHR-223
Volts - HZ - Ph	200-230V 3~ 60HZ				
Voltage Range	180 - 253	High Pressure switch	84095-2L	Solenoid Valve (S)	KSVC-285
Min. Circuit Ampacity	19.77	Low Pressure Control	84026-2		
Max. Fuse Size	30	Dual Pressure Control		Disconnect (D)	KDSG-601
Compressor MODEL	VSAG514ZXT	Condenser	50785-4		
Compressor BOM	VS118RT-006-A4	Head Master Valve	70107-1		
Compressor LRA	96	Check Valve	56627		
Compressor RLA	12.61	Process Valve			
		Liquid Valve			
OverLoad	INTERNAL	Suction Valve	31529-2		
Relay					
Run Capacitor		Receiver	51084		
Run Capacitor Rating		Receiver Qty	1		
Start Capacitor		Accumulator	TK00044000		
Start Capacitor Rating		Liquid Filter	52000-164D		
Contactor	91014B	Sight Glass	70084-2		
		Suction Filter	70822-5S		
Unit Drawing	DGU1950-L302				
Wiring no Fan controls	WD23-2XT2L	CrankCase Heater	14947870		

## BOM INDEX DESCRIPTION

**32xYYYY- 2ERA(F)TnDS**

E Enclosure  
 R Receiver Heater  
 A Adjustable fan control  
 F Fixed fan Control  
 T1 Defrost timer option  
 T2 Defrost timer & Defrost Heaters Contactor  
 D Disconnect  
 S Solenoid liquid Valve (supplied loose)

